

## **PPL13 PROJECT FACT SHEET**

**Project Name and Number:** Shoreline Stabilization for Freshwater Bayou Canal

### **Coast 2050 Strategy:**

Regional: #8, Restore hydrologic and salinity conditions throughout Region 4 to protect wetlands from hydrologic modification and maintain navigation where necessary.  
Coastwide: Stabilization of the Width and Depth of Major Navigation Channels and Other Water Bodies at Their Point of Intersection  
Mapping Unit: Big Marsh (5), Locust Island (25 & 26)

**Project Location:** Region 4, Mermentau Basin, Vermilion Parish, along the western shoreline of the Freshwater Bayou Canal from the Old GIWW south to Six-mile Canal, and from Humble Canal to the Gulf of Mexico.

**Problem:** Rapidly eroding shoreline caused primarily by the wave energy from large numbers of commercial marine vessels and barge traffic daily.

**Goals:** Reduce and/or stop shoreline erosion and protect adjacent fragile wetlands. This project will also preserve and enhance the existing hydrologic function of the adjacent marsh, improve conditions for shrub/scrub habitat for wading birds, and increase the overall wildlife habitat diversity and potentially create small amounts of emergent marsh.

**Proposed Solution:** Approximately 9.5 miles of bank-line stabilization.

**Preliminary Project Benefits:** Project will stop shoreline erosion (approximately 9 ft./yr.) and save 207 acres over the project life.

### **Compatibility with Coast 2050 Criteria:**

Wetland Elevation/Sustainability: The project sustains a low amount (<500 acres) of emergent wetlands over the project life.

Ecosystem Influence Area: The project beneficially influences a small (<5,000 acres) area.

Structural Framework: The project maintains or restores a structural component of the coastal ecosystem that benefits greater than 50% of the ecosystem influence area for greater than 20 years.

Infrastructure: The project has a substantial net positive impact on critical infrastructure.

Organism and Material Linkages: The project is consistent with the sustainability of the ecosystem but allows moderately less than a natural level of organism and material exchange.

Coast 2050 Habitat Objectives: The project maintains greater than 66% of the project area towards the habitat objective.

Project Synergy: The project provides a high degree of synergy with constructed project ME-4, Freshwater Bayou Wetland Restoration.

**Preliminary Construction Costs:** \$4.4M

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**Project Map**